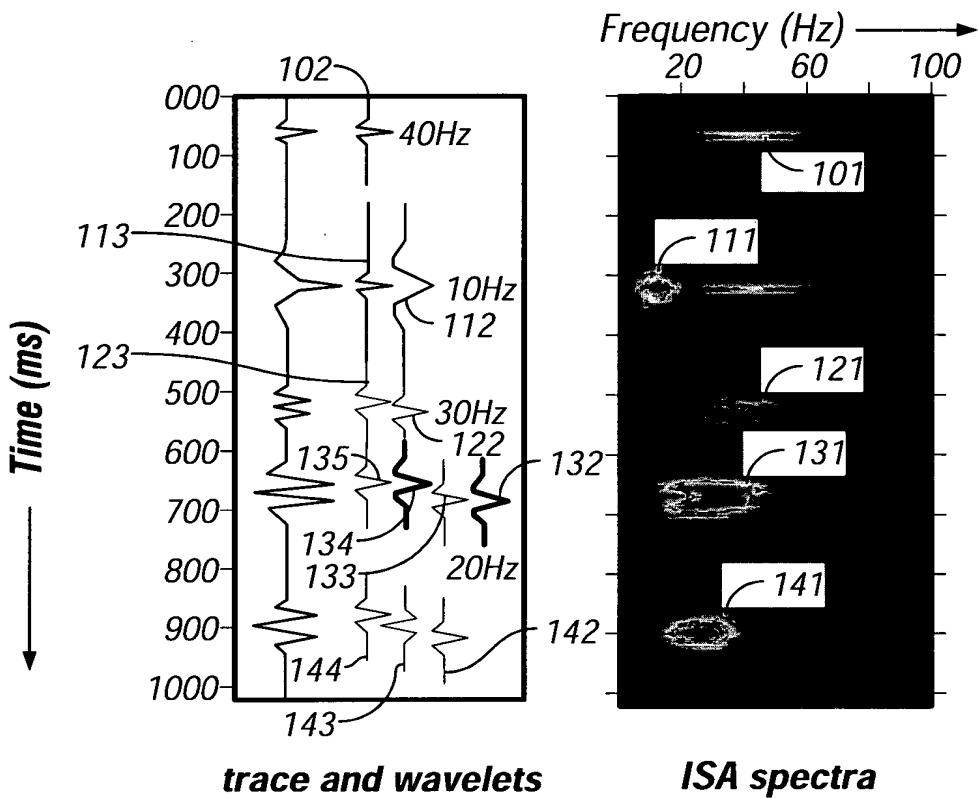




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FIG. 1

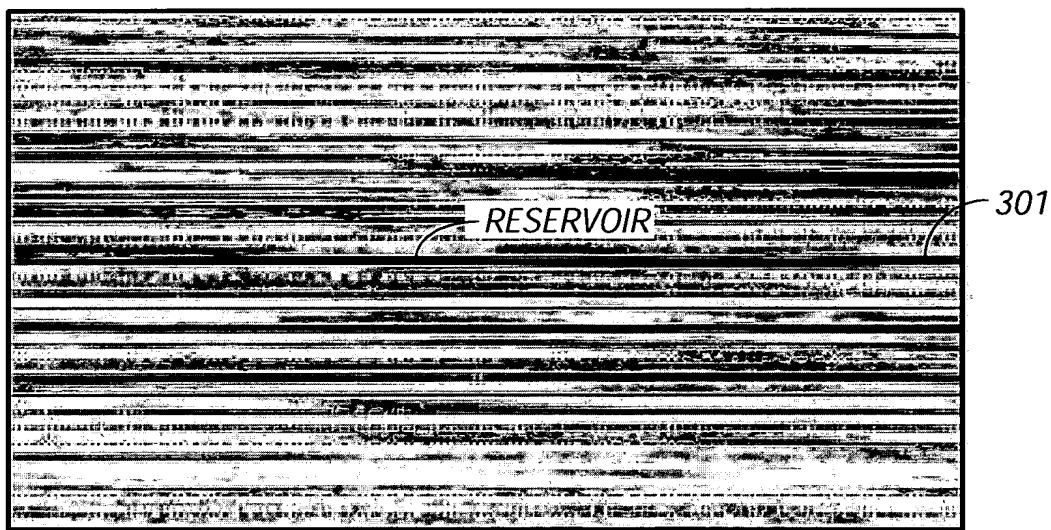


FIG. 3

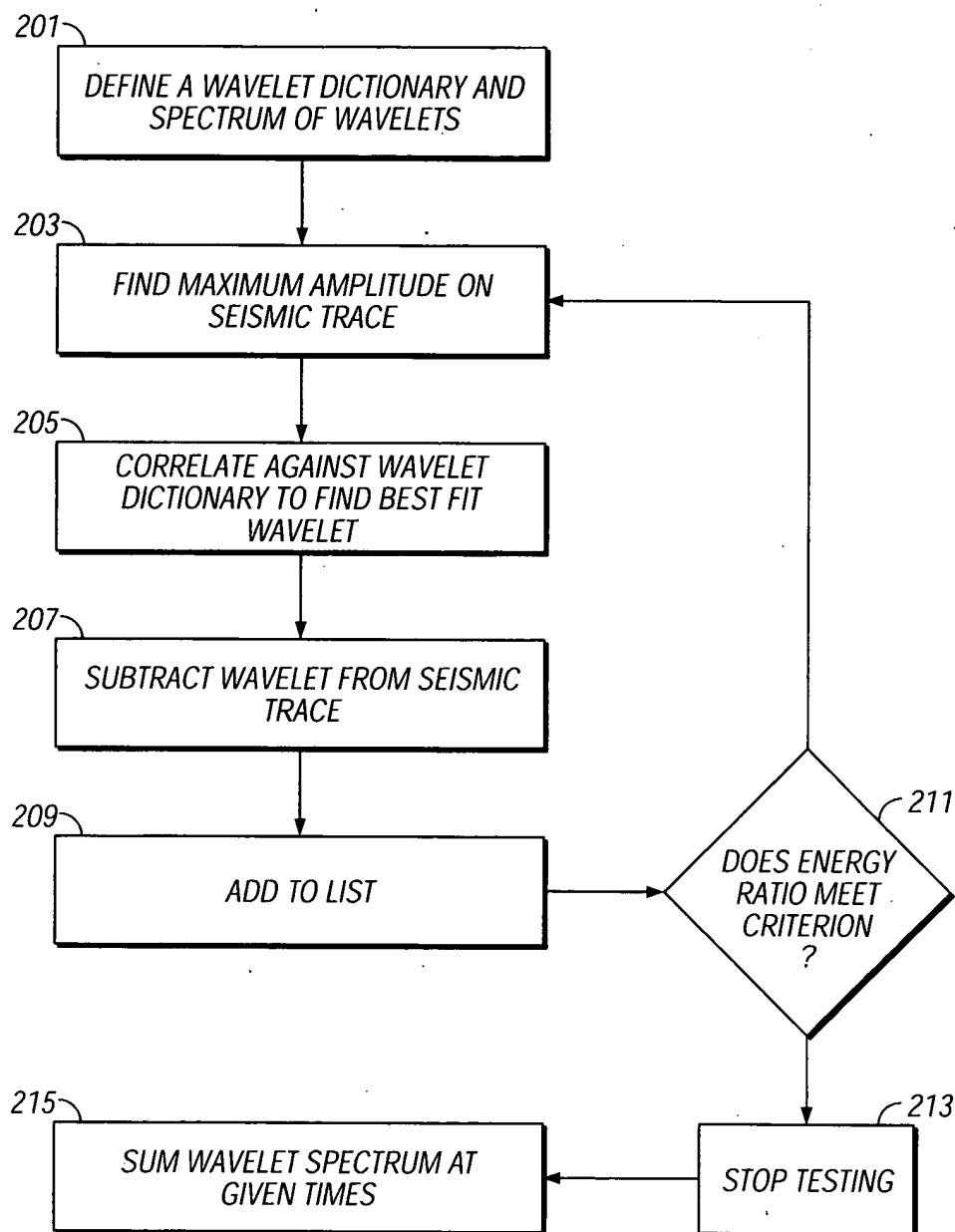
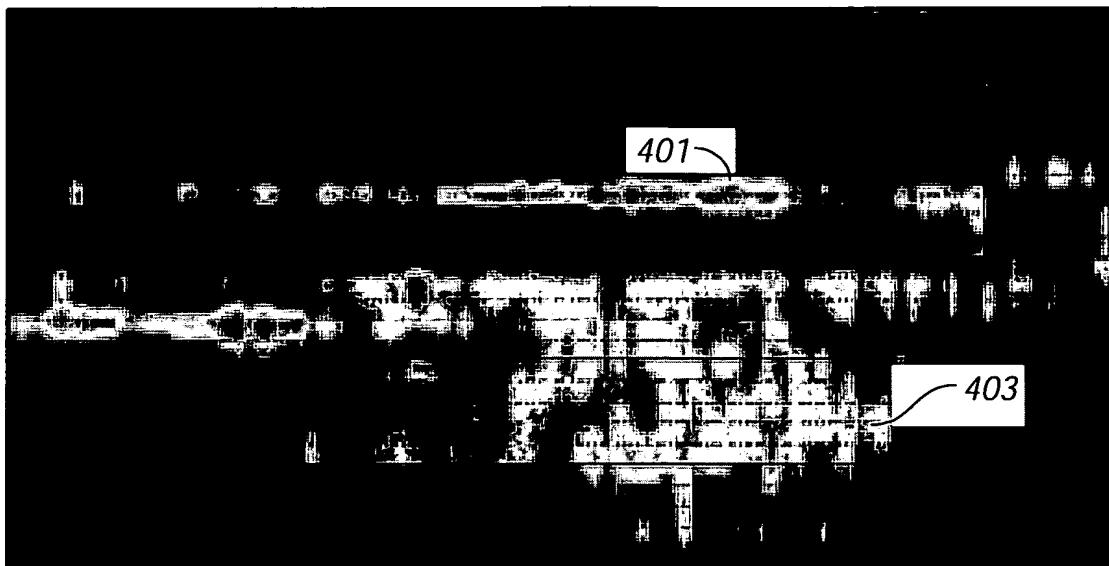


FIG. 2

Inventor: John P. Castagna et al.
Title: "Instantaneous Spectral Analysis"
Serial No.: 10/616,638; Filed: July 9, 2003; Confirmation No.: 4915
Docket No.: GTI-1538; REPLACEMENT SHEET

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High energy below reservoir at low frequency

FIG. 4



FIG. 5

Inventor: John P. Castagna et al.
Title: "Instantaneous Spectral Analysis"
Serial No.: 10/616,638; Filed: July 9, 2003; Confirmation No.: 4915
Docket No.: GTI-1538; REPLACEMENT SHEET

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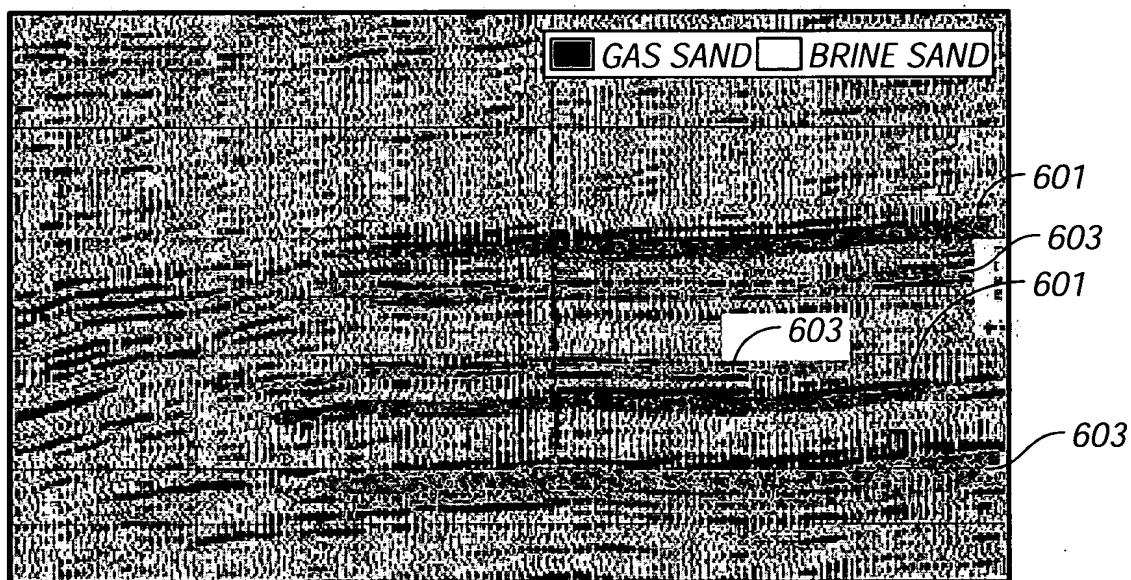


FIG. 6

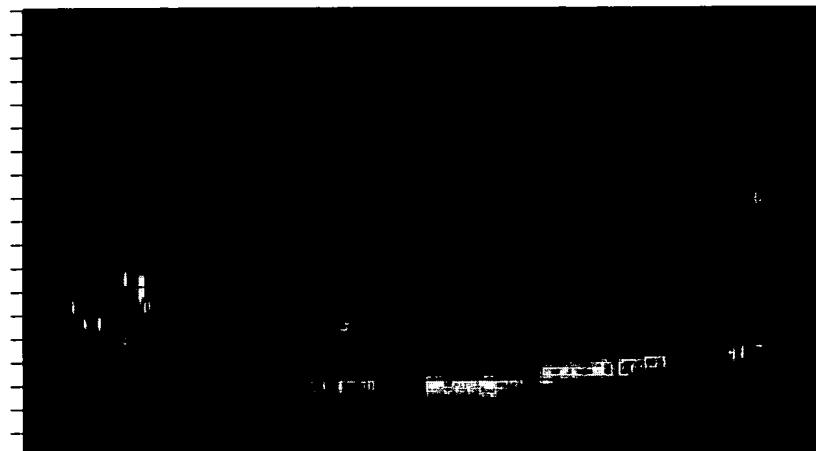


FIG. 7A

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High energy below reservoir at low frequency



FIG. 7B

High energy below reservoir at low frequency

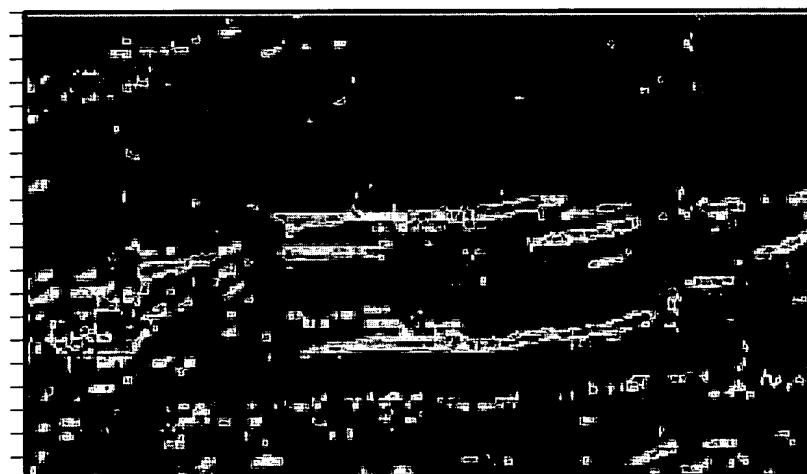


FIG. 7C

High energy below reservoir at low frequency

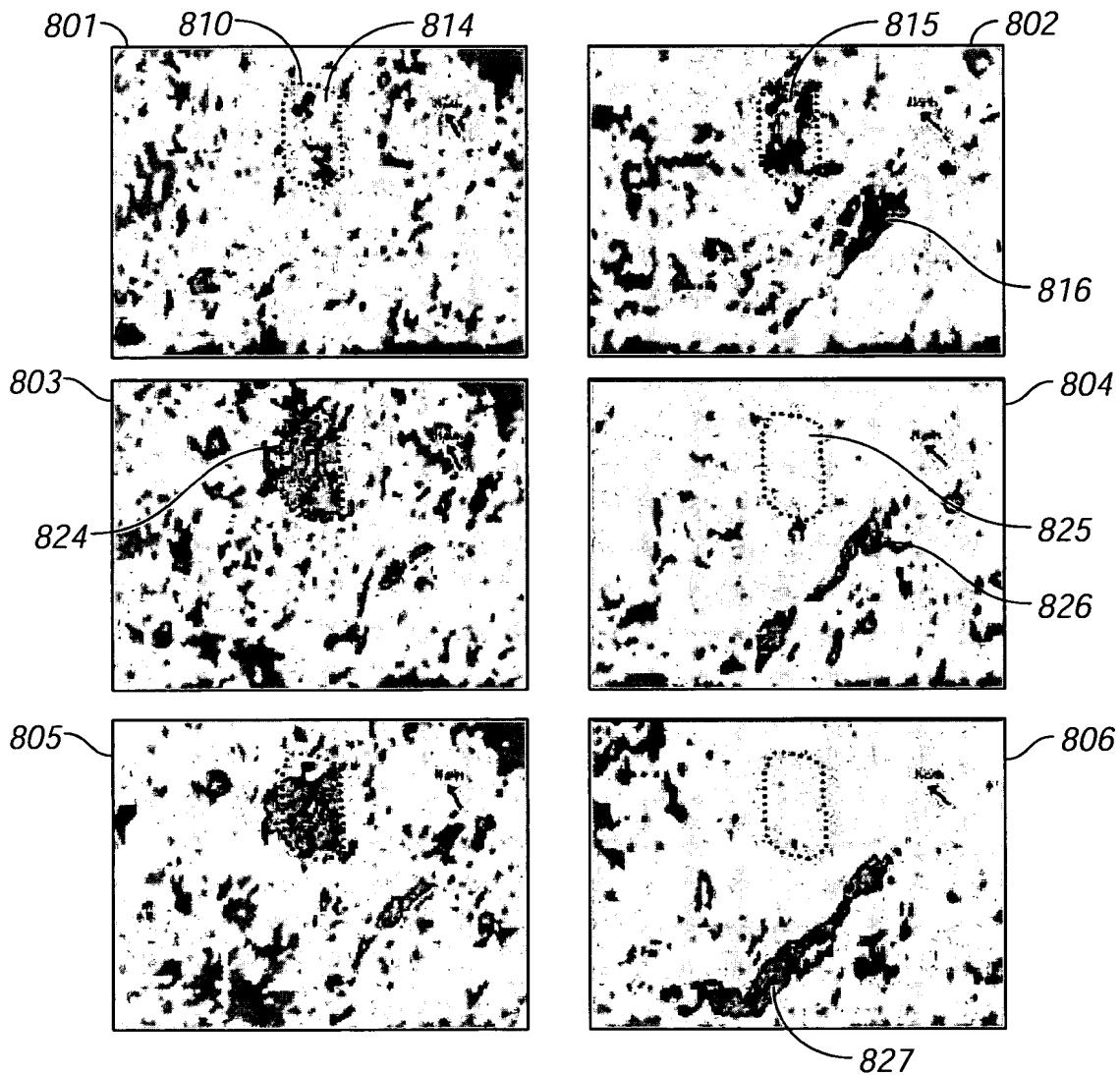


FIG. 8